



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 3

Test Date: March 2008
Code: 10261194
SAU: Brunswick School Department
School: Longfellow School-Brunswick

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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SUMMARY OF SCORES

Test Date: March 2008

Grade: 3

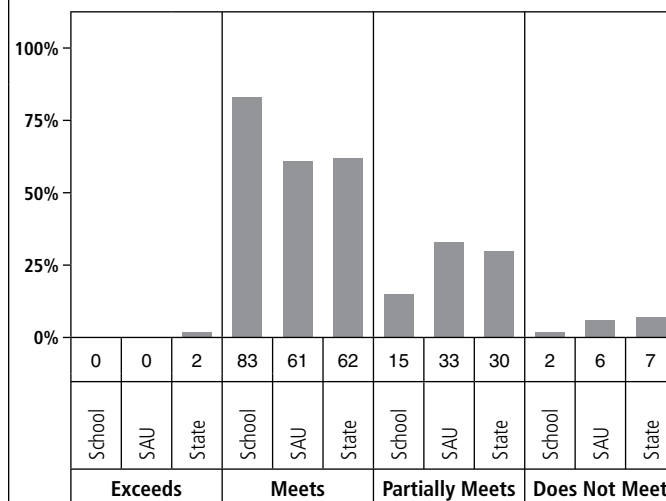
SAU: Brunswick School Department

School: Longfellow School-Brunswick

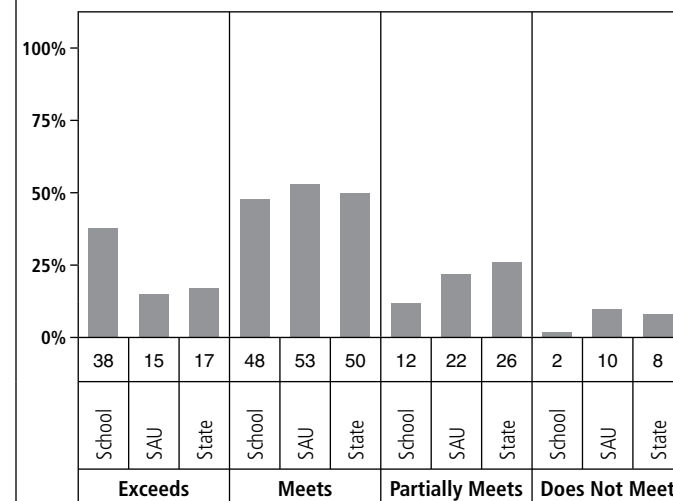
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	348	345	345
2006–2007	351	345	345
2007–2008	348	344	344
Cum. Avg. *	349	345	345
Mathematics			
2005–2006	352	346	344
2006–2007	357	346	347
2007–2008	357	347	347
Cum. Avg. *	355	346	346

ELA – READING



MATHEMATICS



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
Grade: 3
SAU: Brunswick School Department
School: Longfellow School-Brunswick

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics																	
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	54	100	227	100	13803	100	54	100	225	99	13714	99	53	98	224	99	13710	99												
Ethnicity African American/Black	1	2	10	4	399	3	1	100	10	100	391	98	1	100	10	100	392	98												
American Indian or Native Alaskan	0	0	0	0	116	1	0	0	0	0	114	99	0	0	0	0	114	99												
Asian or Pacific Islander	0	0	5	2	210	2	0	0	5	100	205	98	0	0	5	100	206	98												
Hispanic	0	0	10	4	162	1	0	0	9	90	158	98	0	0	9	90	159	98												
Caucasian/White	53	98	202	89	12916	94	53	100	201	100	12846	100	52	98	200	99	12839	99												
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Identified disability	10	19	33	15	2358	17	10	100	32	97	2333	99	9	90	31	94	2329	99												
Current LEP	0	0	6	3	371	3	0	0	5	83	357	96	0	0	5	83	361	98												
Economically disadvantaged	14	26	62	27	5584	40	14	100	62	100	5535	99	13	93	61	98	5530	99												
Migrant	0	0	0	0	5	0	0	0	0	0	5	100	0	0	0	0	5	100												

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	45	83	177	78	10650	77	45	83	176	78	10678	77						
Identified disability (PET/IEP)	2	4	3	2	475	4	1	2	2	1	479	4						
LEP	0	0	1	1	151	1	0	0	1	1	149	1						
504 plan	0	0	0	0	83	1	0	0	0	0	85	1						
Participation with accommodations	8	15	45	20	2936	21	7	13	45	20	2911	21						
Identified disability (PET/IEP)	7	88	26	58	1735	59	7	100	26	58	1729	59						
LEP	0	0	4	9	197	7	0	0	4	9	208	7						
504 plan	0	0	0	0	49	2	0	0	0	0	47	2						
Other	1	13	16	36	986	34	0	0	16	36	958	33						
Participation through alternate assessment (PAAP)	1	2	3	1	123	1	1	2	3	1	121	1						
Identified disability (PET/IEP)	1	100	3	100	123	100	1	100	3	100	121	100						
LEP	0	0	0	0	4	3	0	0	0	0	4	3						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	5	0												
Approved non-participation – special consideration	0	0	0	0	9	0	0	0	0	0	12	0						
Non-participation – other	0	0	2	1	80	1	1	2	3	1	81	1						

¹ Percents are the percentage of students enrolled in each participation category.

² Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³ Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 3
SAU: Brunswick School Department
School: Longfellow School-Brunswick

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 361–380)	2005-2006	3	4	5	2	352	3
	2006-2007	2	5	6	3	332	2
	2007-2008	0	0	1	0	227	2
	Cum. Total*	5	3	12	2	911	2
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 341–360)	2005-2006	49	71	179	68	8641	62
	2006-2007	38	86	127	63	8691	63
	2007-2008	44	83	135	61	8403	62
	Cum. Total*	131	79	441	64	25735	62
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 331–340)	2005-2006	16	23	64	24	3671	27
	2006-2007	4	9	52	26	3781	27
	2007-2008	8	15	73	33	4018	30
	Cum. Total*	28	17	189	27	11470	28
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 300–330)	2005-2006	1	1	17	6	1163	8
	2006-2007	0	0	18	9	1021	7
	2007-2008	1	2	13	6	938	7
	Cum. Total*	2	1	48	7	3122	8

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	46	100	31.4	68.3	27.7	60.2	27.6	60.0
Literary Text	23	50	15.5	67.4	14.2	61.7	14.1	61.3
Informational Text	23	50	15.9	69.1	13.5	58.7	13.5	58.7

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 3
 SAU: Brunswick School Department
 School: Longfellow School-Brunswick

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	53	0	0	44	83	8	15	1	2	348	222	0	61	33	6	344	13586	2	62	30	7	344
Ethnicity																						
African American/Black	1										10	0	50	40	10	342	384	1	42	39	18	339
American Indian or Native Alaskan	0										0						113	2	50	42	5	343
Asian or Pacific Islander	0										5	0	80	0	20	348	203	1	60	31	8	344
Hispanic	0										9	0	56	44	0	344	158	1	52	36	11	342
Caucasian/White	52	0	0	43	83	8	15	1	2	348	198	1	61	33	6	344	12728	2	63	29	7	345
Not Reported	0										0						0					
Identified disability																						
Yes	9	0	0	6	67	2	22	1	11	341	29	0	34	52	14	338	2210	0	32	48	20	338
No	44	0	0	38	86	6	14	0	0	349	193	1	65	30	5	345	11376	2	68	26	4	346
Current LEP																						
Yes	0										5	0	60	40	0	345	348	1	36	45	19	339
No	53	0	0	44	83	8	15	1	2	348	217	0	61	33	6	344	13238	2	63	29	7	344
Economically disadvantaged																						
Yes	14	0	0	9	64	4	29	1	7	345	61	0	44	46	10	341	5450	1	49	39	11	341
No	39	0	0	35	90	4	10	0	0	349	161	1	67	28	4	345	8136	2	71	23	4	346
Migrant																						
Yes	0										0						5	0	80	20	0	343
No	53	0	0	44	83	8	15	1	2	348	222	0	61	33	6	344	13581	2	62	30	7	344
Gender																						
Female	23	0	0	17	74	5	22	1	4	348	102	1	63	31	5	345	6567	3	65	27	5	345
Male	30	0	0	27	90	3	10	0	0	348	120	0	59	34	7	343	7019	1	59	32	8	343
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	3										7	0	29	43	29	336	2004	0	37	49	14	339
No	50	0	0	43	86	6	12	1	2	348	215	0	62	33	5	344	11582	2	66	26	6	345
Gifted/talented program																						
Yes	0										0						125	11	87	2	0	355
No	53	0	0	44	83	8	15	1	2	348	222	0	61	33	6	344	13461	2	62	30	7	344

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 3
 SAU: Brunswick School Department
 School: Longfellow School-Brunswick

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	8	0	0	3	75	1	25	0	0	345	5	0	40	30	30	338	6	0	43	39	18	340
B. less than one hour	83	0	0	38	88	5	12	0	0	349	84	1	66	30	4	345	79	2	65	28	5	345
C. one to two hours	8	0	0	3	75	1	25	0	0	347	10	0	48	52	0	344	12	2	60	31	7	344
D. more than two hours	2	0	0	0	0	1	100	0	0	332	1	0	0	100	0	334	3	0	32	44	24	338
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	19	0	0	10	100	0	0	0	0	351	23	2	71	18	8	345	29	3	62	28	7	345
B. They match some of what I have learned.	56	0	0	24	83	5	17	0	0	348	56	0	58	40	2	344	48	2	67	27	4	345
C. They match just a little of what I have learned.	19	0	0	8	80	2	20	0	0	348	14	0	73	23	3	348	15	1	56	34	9	343
D. There is no match.	6	0	0	2	67	1	33	0	0	344	8	0	41	41	18	339	8	0	44	40	16	340
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	40	0	0	19	90	2	10	0	0	350	48	0	70	22	8	345	42	3	67	24	6	346
B. good	50	0	0	22	85	4	15	0	0	349	42	1	57	38	3	344	46	1	62	32	5	344
C. fair	10	0	0	3	60	2	40	0	0	343	8	0	50	50	0	342	10	0	48	42	10	341
D. poor	0										1	0	0	100	0	335	2	0	30	43	28	336
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	23	0	0	10	83	2	17	0	0	347	20	0	53	40	7	343	22	1	48	38	12	341
B. about the same as my regular schoolwork	52	0	0	22	81	5	19	0	0	349	57	1	64	33	2	345	57	2	68	26	4	346
C. easier than my regular schoolwork	25	0	0	12	92	1	8	0	0	349	23	0	68	24	8	344	21	1	61	30	8	344
How hard were the reading passages on this test?																						
A. Most of the passages were harder than what I normally read.	8	0	0	3	75	1	25	0	0	345	13	0	46	39	14	340	20	0	38	47	16	339
B. Most of the passages were about the same as what I normally read.	52	0	0	21	78	6	22	0	0	347	50	0	59	37	4	344	51	2	68	27	4	345
C. Most of the passages were easier than what I normally read.	40	0	0	20	95	1	5	0	0	351	37	1	72	24	3	347	29	3	69	23	6	346
How much time do you spend reading at home each day?																						
A. more than one hour	13	0	0	6	86	1	14	0	0	350	18	0	56	31	13	343	19	3	65	27	6	346
B. 20 minutes to an hour	44	0	0	20	87	3	13	0	0	350	38	1	69	28	2	346	47	2	68	25	5	346
C. less than 20 minutes	37	0	0	17	89	2	11	0	0	348	28	0	64	33	3	344	19	1	56	35	8	343
D. I rarely read at home.	6	0	0	1	33	2	67	0	0	341	16	0	47	44	9	342	14	0	47	40	12	341
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	23	0	0	7	58	5	42	0	0	345	36	0	49	44	6	342	28	1	56	33	9	343
B. six to ten pages	46	0	0	23	96	1	4	0	0	350	32	0	72	26	1	346	23	1	63	29	7	344
C. eleven or more pages	31	0	0	14	88	2	13	0	0	350	32	0	66	27	7	345	49	2	65	27	6	345
Optional school/SAU question																						
A.	0										50	0	17	67	17	336						
B.	0										8	0	0	0	100	326						
C.	100	0	0	1	100	0	0	0	0	344	33	0	50	25	25	337						
D.	0										8	0	0	100	0	338						

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 3
SAU: Brunswick School Department
School: Longfellow School-Brunswick

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 361–380)	2005-2006	19	28	34	13	1295	9
	2006-2007	17	39	30	15	1985	14
	2007-2008	20	38	33	15	2277	17
	Cum. Total*	56	34	97	14	5557	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 341–360)	2005-2006	33	48	135	51	6852	49
	2006-2007	20	45	98	48	6990	51
	2007-2008	25	48	117	53	6764	50
	Cum. Total*	78	47	350	51	20606	50
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 325–340)	2005-2006	12	17	66	25	4081	29
	2006-2007	6	14	59	29	3673	27
	2007-2008	6	12	48	22	3504	26
	Cum. Total*	24	15	173	25	11258	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 300–324)	2005-2006	5	7	30	11	1638	12
	2006-2007	1	2	16	8	1193	9
	2007-2008	1	2	23	10	1044	8
	Cum. Total*	7	4	69	10	3875	9

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	15	31	11.2	74.7	9.0	60.0	9.2	61.3
Cluster 2: Shape and Size	14	29	11.3	80.7	10.0	71.4	10.0	71.4
Cluster 3: Mathematical Decision Making	5	10	3.7	74.0	3.1	62.0	3.2	64.0
Cluster 4: Patterns	14	29	10.3	73.6	9.0	64.3	9.0	64.3

- Cluster 1: Numbers and Operations**
 A. Numbers and Number Sense
 B. Computation
 I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
 E. Geometry
 F. Measurement
- Cluster 3: Mathematical Decision Making**
 C. Data Analysis and Statistics
 D. Probability
- Cluster 4: Patterns**
 G. Patterns, Relations, and Functions
 H. Algebra Concepts
 K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 3
 SAU: Brunswick School Department
 School: Longfellow School-Brunswick

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	52	20	38	25	48	6	12	1	2	357	221	15	53	22	10	347	13589	17	50	26	8	347
Ethnicity																						
African American/Black	1										10	10	50	0	40	342	390	10	30	32	28	337
American Indian or Native Alaskan	0										0						113	7	45	38	10	342
Asian or Pacific Islander	0										5	40	40	0	20	350	204	18	48	25	9	347
Hispanic	0										9	22	44	33	0	348	159	6	50	31	13	342
Caucasian/White	51	20	39	24	47	6	12	1	2	357	197	14	54	23	9	347	12723	17	50	25	7	348
Not Reported	0										0						0					
Identified disability																						
Yes	8	1	13	4	50	2	25	1	13	342	28	4	50	21	25	336	2208	6	35	37	21	338
No	44	19	43	21	48	4	9	0	0	360	193	17	53	22	8	348	11381	19	53	24	5	349
Current LEP																						
Yes	0										5	40	20	20	20	345	357	8	29	37	26	336
No	52	20	38	25	48	6	12	1	2	357	216	14	54	22	10	347	13232	17	50	25	7	348
Economically disadvantaged																						
Yes	13	4	31	7	54	2	15	0	0	354	60	10	50	22	18	342	5452	9	45	33	12	343
No	39	16	41	18	46	4	10	1	3	358	161	17	54	22	7	348	8137	22	53	21	4	350
Migrant																						
Yes	0										0						5	0	40	40	20	337
No	52	20	38	25	48	6	12	1	2	357	221	15	53	22	10	347	13584	17	50	26	8	347
Gender																						
Female	22	12	55	7	32	2	9	1	5	359	101	16	53	19	12	347	6565	15	49	27	8	347
Male	30	8	27	18	60	4	13	0	0	356	120	14	53	24	9	346	7024	18	50	24	7	348
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	3										7	0	57	0	43	336	2004	5	39	41	15	339
No	49	20	41	22	45	6	12	1	2	358	214	15	53	22	9	347	11585	19	52	23	6	349
Gifted/talented program																						
Yes	0										0						125	70	30	0	0	366
No	52	20	38	25	48	6	12	1	2	357	221	15	53	22	10	347	13464	16	50	26	8	347

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 3
 SAU: Brunswick School Department
 School: Longfellow School-Brunswick

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	8	1	25	3	75	0	0	0	0	350	5	10	60	10	20	342	6	9	40	33	18	340
B. less than one hour	83	19	44	18	42	6	14	0	0	359	84	16	54	22	7	348	79	18	52	24	6	348
C. one to two hours	8	0	0	4	100	0	0	0	0	350	10	10	52	24	14	344	12	16	48	27	8	347
D. more than two hours	2	0	0	0	0	0	0	1	100	308	1	0	0	33	67	320	3	7	26	37	29	335
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	30	6	40	6	40	2	13	1	7	356	33	14	56	16	14	347	37	22	50	22	6	350
B. They match some of what I have learned.	54	12	44	14	52	1	4	0	0	361	48	20	57	18	6	350	46	16	53	25	6	348
C. They match just a little of what I have learned.	12	2	33	2	33	2	33	0	0	350	13	11	39	39	11	341	12	9	44	36	11	342
D. There is no match.	4	0	0	2	100	0	0	0	0	353	6	0	46	54	0	342	5	5	32	36	27	336
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	44	12	55	9	41	1	5	0	0	363	39	23	49	18	11	349	39	25	48	20	7	350
B. good	46	8	35	11	48	3	13	1	4	355	47	14	54	23	8	346	46	14	52	27	7	347
C. fair	10	0	0	4	80	1	20	0	0	348	12	4	67	25	4	347	12	8	49	35	9	343
D. poor	0										2	0	40	20	40	335	3	2	34	36	29	335
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	13	0	0	4	57	3	43	0	0	345	21	4	49	29	18	341	17	7	41	35	17	340
B. about the same as my regular schoolwork	63	15	45	14	42	3	9	1	3	358	59	19	52	24	5	349	59	18	53	24	5	349
C. easier than my regular schoolwork	23	5	42	7	58	0	0	0	0	362	20	16	61	9	14	347	25	21	49	23	8	349
How often do you use hands-on materials in mathematics class?																						
A. almost every day	15	2	25	3	38	2	25	1	13	344	22	8	50	21	21	341	32	13	47	30	10	345
B. two or three days a week	27	6	43	7	50	1	7	0	0	358	29	11	55	23	11	345	30	20	52	23	5	349
C. two or three times each month	48	12	48	11	44	2	8	0	0	362	27	30	53	18	0	355	19	20	53	21	6	350
D. never or almost never	10	0	0	4	80	1	20	0	0	349	22	11	55	28	6	346	18	16	50	27	8	347
How often do you use calculators in mathematics class?																						
A. almost every day	2	0	0	1	100	0	0	0	0	352	4	0	50	13	38	337	7	5	34	40	20	338
B. two or three days a week	2	0	0	1	100	0	0	0	0	342	8	0	47	29	24	339	18	15	50	27	8	346
C. two or three times each month	23	1	8	8	67	3	25	0	0	351	18	11	63	21	5	348	28	21	53	21	4	350
D. never or almost never	73	19	50	15	39	3	8	1	3	360	71	19	52	22	7	348	47	17	50	25	7	347
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	17	1	11	5	56	3	33	0	0	347	27	7	45	41	7	343	16	8	42	36	13	342
B. 30–45 minutes	23	3	25	8	67	0	0	1	8	351	36	12	62	15	12	346	30	14	53	26	7	347
C. 45–60 minutes	58	16	53	11	37	3	10	0	0	362	33	27	51	14	7	353	32	22	51	22	5	350
D. more than 60 minutes	2	0	0	1	100	0	0	0	0	354	4	11	56	11	22	345	22	20	49	23	7	349
Optional school/SAU question																						
A.	0										50	0	0	50	50	326						
B.	0										8	0	0	0	100	324						
C.	100	0	0	1	100	0	0	0	0	350	33	0	50	25	25	341						
D.	0										8	0	100	0	0	342						